

Huber, Walter.

PAPER CHROMATOGRAPHY OF OLEFINS. [1961]

13p. 10 refs.

Order from SLA \$1.60

61-20748

Trans. of Mikrochimica Acta (Austria) 1960, no. 1,
p. 44-53.

DESCRIPTORS: *Paper chromatography, *Phylenes,
Separation, Molecular weight, Mixtures, Hydrocarbons,
Identification, Chemical bonds, Isomers.

By reaction with mercury acetate, olefins can be converted into nonvolatile addition compounds, which can be separated by paper chromatography. Consequently, it is possible to detect olefins in any hydrocarbon mixtures by simple means and to characterize them from the standpoint of molecular weight. Since no (Chemistry--Analytical, TT, v. 7, no. 6) (over)

61-20748

I. Huber, W.

Office of Technical Services

Kainz, Gerald and Kasler, Franz.
CONTRIBUTIONS TO UNDERSTANDING THE
ANOMALOUS REACTIONS IN THE DETERMINATION
OF AMINO NITROGEN. [VIII] THE ANOMALIES OF
SOME AMINO ACIDS. [1960] 10p. (8 figs. omitted)
11 refs.
Order from SLA ml81.80, jhs1.80

61-10314

Trans. of Mikrokhemika) Apts (Austria) 1960 (no. 1)
p. 62-71.

hydroxyl compound, and probably the corresponding
acid, is formed during the decarboxylation. In
alpha-amino acids, carbon dioxide is also
evolved during the formation of nitrolic acid;
the nitrolic acid is produced in the
nitrosation of the amino acid. The nitrolic acid is
produced in the nitrosation of the amino acid.
(over)

61-10314

1. Amino nitrogen--
Determination
2. Amino acids--Chemical
reactions
3. Nitrous acid--Chemical
reactions
4. Title: Anomalous reactions
- I. Kainz, G.
- II. Kasler, F.
- III. Title: Anomalous

143177

Office of Technical Services

Contribution to the Analysis of the Alkaline-
Earth Metals by Flame Photometry, by
E. Pungor, A. J. Hegedus.

GERMAN, per, Mikrochimica Acta, No 1,
1960, pp 87-101.

CSIRO

Sci - Min/Met, Phys
Jun 62

203,352

A Quick Process for Nitrogen Micro Estimation in Organic Substances using Co_3O_4 as the Combustion Catalyst, by M. Vecera.
FRENCH, per, Mikrochimica Acta, Vol II, 1960, pp 208-219.
*AEC

Sci - Chem
Jul 66

Kainz, Gerald and Kasler, Franz.
CONTRIBUTIONS TO UNDERSTANDING THE
ANOMALOUS REACTIONS IN THE DETERMINATION
OF AMINO NITROGEN. (VIII). THE ANOMALIES OF
SOME AMINO ACIDS. [1960] 10p. (8 figs. omitted)
11 refs

Order from SLA m\$11.80, jh\$1.80 61-10314

Trans. of Mikrokchim[ica] Acta (Austria) 1960 (no. 1)
p. 62-71.

A hydroxyl compound, and probably the corresponding
nitrolic acid, is formed during the deamination. In
the case of alpha-amino acids, carbon dioxide is also
liberated. The extent of the formation of nitrolic acid
depends on the concentration of the nitrite solution;
under conditions for the determination of the amino
nitrogen, about 30% is produced. The nitrolic acid is
the starting point for the anomalous production of gas.
When the temperature is increased, the isomeric
(Chemistry--Organic, TT, v. 5, no. 4) (over)

61-10314

1. Amino nitrogen--
Determination
2. Amino acids--Chemical
reactions
3. Nitrous acid--Chemical
reactions
4. Title: Anomalous reactions
- I. Kainz, G.
- II. Kasler, F.
- III. Title: Anomalies

143,177

Office of Technical Services

group of the nitrolic acid reacts with nitrous acid, and the corresponding carbonyl compound is produced, along with an evolution of N_2 and N_2O . In the case of tyrosine, additional amounts of gas form because of the phenol grouping. In the case of cystine, the excess volume comes from the reaction of the disulphide grouping with nitrous acid. (See also 61-10313)

pg-

61-10314

Contribution to the Analysis of the Alkaline-
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GERMAN, per, Mikrochimica Acta, No 1,
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CSIRO

Sci - Min/Met, Phys
Jun 62

203,352

A Quick Process for Nitrogen Micro Estima-
tion in Organic Substances using Co_2O_3 as
the Combustion Catalyst, by M. Vecera.
FRENCH, per, Mikrochimica Acta, Vol II, 1960,
pp 208-219.
*AEC

Sci - Chem
Jul 66

Determination of Carbon and Hydrogen in Organic
Compounds; Efficiency of Combustion Catalysts II,
by J. Horacek, J. Korbl, V. Pechanec.

GERMAN, per, Mikrochimica Acta, Jan 1960,
pp 295-298.

Weapons Research Etab

Sci - Chem

Jan 61

157,828

Kainz, Gerald and Huber, Hans.
CONTRIBUTIONS TO UNDERSTANDING THE
ANOMALOUS REACTIONS IN THE DETERMINATION
OF AMINO NITROGEN. IX. THE REACTIONS OF
PYRROLINE- AND OXAZOLINE COMPOUNDS WITH
NITROUS ACID. [1960] 9p. (3 figs. diag. omitted)
21 refs.

Order from SIA m\$1.80, ph\$1.80 61-10312

Trans. of Mikrobiol[ica] Acta (Austria) 1960, no. 2,
p. 245-253.

The generation of nitrogen, as in the case of an easily
deaminable amine, took place rapidly and completely
at as low as 20°C. With the pyrrolidine compounds, a
further gas-producing reaction at 50°C and above was
determined, which at 80°C yields 1.40 moles
(N₂ + N₂O). In the first reaction an N-nitroso com-
pound is formed, which is unstable in an aqueous solu-
tion. During its hydrolysis, a diazonium salt is pro-
(Chemistry--Organic, TT, v. 5, no. 4) (over)

61-10312

1. Amino nitrogen--
Determination
2. Nitrous acid--Chemical
reactions
3. Nitrogen compounds
(Organic)--Chemical
reactions
4. Title: Anomalous reactions
- I. Kainz, Gerald
- II. Huber, Hans
- III. Title: Reactions...

143,178

Office of Technical Services

duced, which decomposes while liberating nitrogen. This reaction scheme is supported by the fact that no formation of nitrogen occurs during nitrosation in an anhydrous phase. The gas evolution at the higher temperature was caused by the secondary product of the first reaction (acetyl compounds). When nitrosated they form isonitroso compounds. The isonitroso group becomes decomposed by an excess of nitrous acid, while forming N_2 and N_2O . In the determination of amino nitrogen, it is possible to analyze pyridine- and oxazoline compounds correctly only with nitronyl bromide in glacial acetic acid per Kohn. Huber and Kasler (Mikrochim. Acta 1957: 744). (See also 61-10314)

PB-

61-10312

Kainz, Gerald
MICRO-DETERMINATION OF GLYCOL ETHER
COMPOUNDS. [1960] 7p. (2 figs. 1 diag. omitted)
7 refs.

ORGANIC CHEMISTRY, 1960, 10, 10311

Trans. of Mikrokhemika] Acta (Austria) [1960] no. 2,
p. 254-260

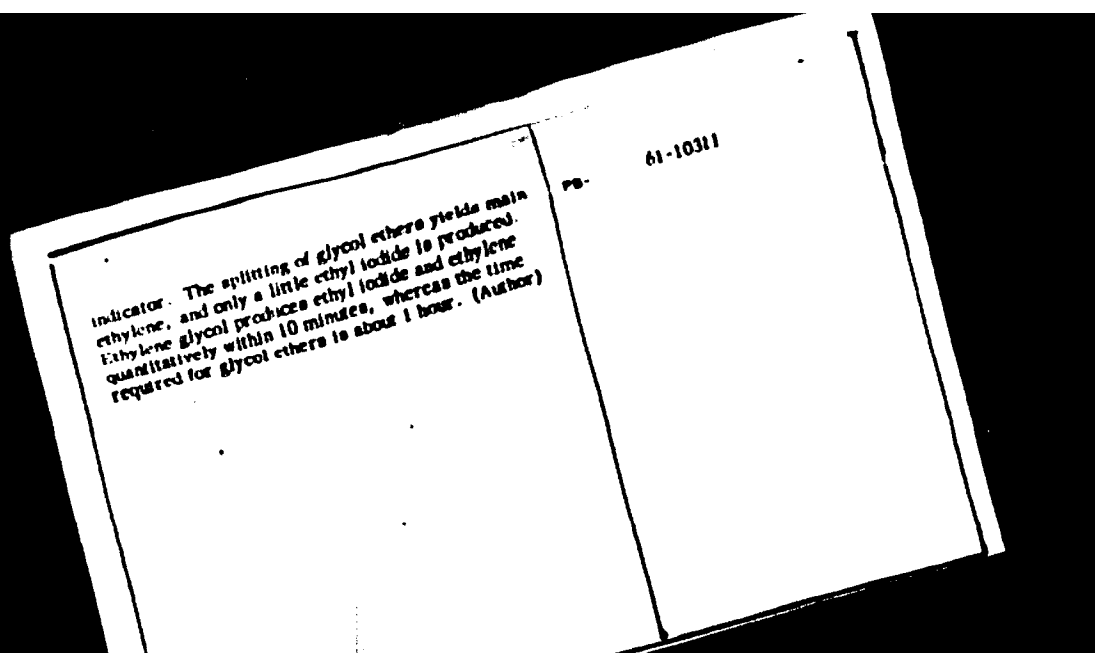
The method is based upon glycol ethers yielding one mole of ethyl iodide + ethylene with boiling hydroiodic acid. The resultant ethyl iodide and ethylene are swept by carbon dioxide into a receiver charged with a standard silver nitrate solution (in glacial acetic acid) where ethyl iodide becomes absorbed. The ethylene is carried by the carrier gas into the azotometer where, after absorption of the carbon dioxide, ethylene is left behind. The ethyl iodide is determined by back-titration with a standard silver nitrate solution with potassium iodide, using iodine and starch as an indicator. (Chemistry--Analytical, TT, b. 5, no. 4) (over)

61-10311

1. Ethylene glycol--
Determination
1. Kainz, G.

143,179

Office of Technical Services



indicator. The splitting of glycol ethers yields main ethylene, and only a little ethyl iodide is produced. Ethylene glycol produces ethyl iodide and ethylene quantitatively within 10 minutes, whereas the time required for glycol ethers is about 1 hour. (Author)

61-10311

Horacek, J., Korbl, J., and Pechanec, V.
 DETERMINATION OF CARBON AND HYDROGEN IN
 ORGANIC COMPOUNDS. II. THE EFFECTIVENESS OF
 COMBUSTION CATALYSTS IN THE COMBUSTION OF
 METHANE. 11 Feb 62, (p. 4 refs.)
 Order from SLA 51.10

63-10099

Trans. of Czechoslovak Acad. (Austria) 1960, p. 294-295

DESCRIPTORS: organic compounds, *Catalysts, *Com-
 bustion, *oxidation, *Methanes, *quantitative analysis,
 Hydrogen, Carbon.

The oxidative effectiveness of 23 catalysts for elemental
 analysis was tested under standard conditions. A
 methane-oxygen mixture (4:1 by volume) was used as
 test sample, and the lowest temperature was determined
 at which the oxidation of CH₄ to CO₂ and water is quan-
 titative. On the basis of the effectiveness found, the
 catalysts investigated were divided into two groups. The
 (Chemistry--Analytical, TI, v. 9, no. 11) (over)

63-10099

I. Horacek, J.
 II. Korbl, J.
 III. Pechanec, V.
 IV. Title: Effectiveness...

Office of Technical Services

On the Use of Metal-Specific Indicators in
Precipitate Titrations, by R. Puschel.

^{VII}
GERMAN, per, Mikrochimica Acta, 1960, pp 352-356.

BIBI 3094

Sci - M/M
Feb 63

~~XXXXXXXXXX~~
224, 245

The Determination of Small Amounts of Oxygen
in High Melting Metals by Hot Extraction
with the Peichtinger Apparatus, I Iron
Bath Method, by E. Lasser, E. Wolfel,
14 pp.

GERMAN, per, Mikrochemica Acta, 1960,
pp 394-404. 9066786

ABC Tr-5292

Sci - Chem, Min/Met
Oct 62

2155732

Anger, V. and Fischer, G.
A NEW SPOT TEST FOR ALDEHYDES. [1962] 7p.
Order from K-H \$8.75 K-H 10467

Trans. from Mikrokimi[ca] Acta (Austria) 1960,
no. 4.

DESCRIPTORS: *Aldehydes, Chemical analysis.

(Chemistry--Analytical, TT, v. 9, no. 11)

63-12958

- I. Anger, V.
- II. Fischer, G.
- III. K-H-10467
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Trace Analysis of Very Pure Silicon, by F. A. Pohl,
W. Bonsels, 8 pp.
GERMAN, per, Mikrochimica Acta, No 5/6, 1960,
pp 671-649. 9223988
ACSIL Tr 1461

pp. 646-649

Sci - Chem
Oct 64

268,027

Rapid Quantitative Microdetermination of Phosphorus in
Organic Substances.

GERMAN, per, Mikrochim Acta, No 5/6, 1960,
pp 670-674.

Possibly to Come From Contacts
per 10 Dec 62 memo
USIB INTERNAL USE ONLY

Sci - Chem
Dec 62

Levy, R. and Cousin, B.
THE MICRODETERMINATION OF NITROGEN BY
THE DUMAS PROCEDURE. [1961] 10p. (refs. 4 figs.
omitted).
Order from SLA \$1.10

61-20701

Trans. of Mikrochim[ica] Acta (Austria) [1960]
no. 5/6, p. 854-862.

DESCRIPTORS: *Nitrogen, Determination, Micro-
chemistry, Microanalysis, Micrometers.

Operation of the described method permits obtaining
the precision of the Pregl standard method in the
analysis of types of substances such as: diphenyl
amine, 8.28% N; nitroarsenic acid, 10.69% N; ethyl
cyanacetate, 12.38% N; tryptophane, 13.72% N;
S-benzyl-thiorium chloride, 13.82% N; sulfanilamide
16.27% N; picric acid, 18.34% N; metanitraniline,
(Chemistry--Analytical, TT, v. 7, no. 2) (over)

61-20711

1. Title: Dumas procedure
- I. Levy, R.
- II. Cousin, B.

Office of Technical Services

Radiochemical Studies of the Behavior of
Inorganic Ions at Gel Filtration With
Sephadex. Use of Microchemical FBI Deter-
mination in Blood Serum, by H. Spitzky,
H. Skrube, K. Muller, 9 pp.

GERMAN, per, Mikrochimica Acta 2, 1961,
pp 296-307.

NIH 3-59-62

199, 713

Sci - Med
Jun 62

Vecera, M., Snobl, D., and Synek, L.
QUANTITATIVE ORGANIC ANALYSIS. XXVII. THE
KINETICS AND MECHANISM OF THE CATALYTIC
RAPID COMBUSTION IN THE DETERMINATION OF
HYDROGEN IN ORGANIC COMPOUNDS. 5 Jul 63
[22p] 12 refs
Order from SLA \$2.60 TT-63-20981

Trans. of Mikrokchim[ica] Acta (Austria) 1961,
p. 370-389. (Abstract available)

DESCRIPTORS: *Quantitative analysis, Organic
materials, *Carbon, *Hydrogen, Combustion, *Cataly-
sts, Reaction kinetics, *Microanalysis, Automation

A systematic study of the kinetics and mechanism of the
combustion and rinsing provided the basis for developing
an ultrarapid method for the microdetermination of car-
bon and hydrogen, which will permit reducing the time
required for the analysis to several minutes and making
the analytical procedure quite universal and completely
automatic. (Author) (See also TT-63-10101)

TT-63-20981

- I. Title: Combustion analysis
- I. Vecera, M.
- II. Snobl, D.
- III. Synek, L.
- IV. Title: Kinetics...

(Chemistry--Analytical,
TT, v. 11, no. 11)

Office of Technical Services

A New Automatic Microcombustion Apparatus
for the Serial Determination of Carbon,
Hydrogen, and Nitrogen, by W. Knobloch,
F. Knobloch, G. Mai, 7p.

AUSWERTUNG, per, Mikrochimica Acta,
No 4, 1961, pp 576-581.

SLA TT-65-10366

333, 737

Sci
Jul 67

Budesinsky, B.

A UNIVERSAL APPARATUS FOR GASOMETRIC
MICRODETERMINATIONS. 21 Aug 62 [8] p. 5 refs.
Order from SLA \$1.10 62-18998

Trans. of Mikrokhim[ica] Acta (Austria) 1961 (no. 5)
p. 811-816.

DESCRIPTORS: *Gas analysis, Gases,
*Microdetermination.

A universally applicable apparatus for gasometric determinations is proposed, based on mathematically derived construction parameters. Several basic requirements, such as minimum dead space, minimum number of ground joints, good temperature constancy, and independence of the operating procedure of barometric pressure, are satisfied to an outstanding extent by the apparatus specified. Its universal applicability was tested by a series of different determinations. The absolute error does not exceed $\pm 0.5\%$. (Author)

62-18998

I. Budesinsky, B.

(Chemistry--Analytical, TT,
v. 9, no. 11)

Office of Technical Services

Chromatography of Organic Substances. Pt 4.
Thin-Layer Chromatography of Carbohydrate, by
V. Prey.

GERMAN, per, Mikrochimica Acta, No 6, 1961,
pp. 968-978.

NLL Ref: 5828.4F (7620)

sci-chem
sept 69

0
398,209

**Isometric Determination of Hydrogen
in Organic Compounds, by S. Minko,
1p.**

**AUSTRIAN, per, Microchimica Acta, No 4,
1962, pp 638-649.**

SLA TT-65-10367

333, 769

Sci

Jul 67

Concerning Microanalytical Determination of
Oxygen in Organic Substances With Relative
Conductometric End Point Reading, by Franz Salzer,
31 pp.

GERMAN, per, Mikrochimica Acta, Vol V, 1962,
pp 835-867. 9687622

DDC BSIC-70

Sci - Chem
Nov 63

241,680

Vecera, M.
QUANTITATIVE ORGANIC ANALYSIS. XXXII. A
SEMI-AUTOMATIC, RAPID, MICROGRAVIMETRIC
METHOD FOR DETERMINING CARBON IN ORGANIC
COMPOUNDS. [1964] [6p] 12refs
Order from SLA \$1.10

TT-64-10712

Trans. of Mikrokimika] Acta (Austria) 1962 [no. 5]
p. 891-895.

Trans. of Mikrokimika] Acta (Austria) 1962 [no. 5]
p. 891-895.

(Chemistry--Analytical, TT, v. 11, no. 12)

TT-64-10712

I. Vecera, M.
II. Title: Semiautomatic ...

Office of Technical Services

A Fast Semi-Automatic Micro-Gasvolumetrical
Determination of Nitrogen in Organic
Substances by Utilizing Co_2O_3 as an
Oxidizing Catalyst, by Miroslav Vecera,
17 pp.

GERMAN, per, Mikrochimica Acta, Vol V, 1962,
pp 896-912. 9688756

DDC RSIC-74

Sci - Chem
Nov 63

241,681

Jurecek, Miroslav.
SOME ANALYTICAL ASPECTS OF THE OXIDATION
OF ORGANIC NITROGEN COMPOUNDS WITH
CHROMIC ACID. 25 Oct 62, 17p. 52 refs.
Order from SLA \$1.60 63-10584

Trans. of Mikrochimica Acta (Austria) 1962, no. 5,
p. 926-938.

DESCRIPTORS: Organic compounds, Chemical
analysis, *Nitrogen compounds, *Nitro radicals,
*Nitroso radicals, *Amines, Oxidation, *Chromic
acid, Carbon Dioxide, Water, Ammonia, Nitrogen.

The oxidation of organic nitrogen compounds was
investigated systematically. It was established that
carbon and hydrogen under certain conditions are
oxidized to carbon dioxide and water, while nitrogen,
depending on the type of bonding, is converted into
(Chemistry--Analytical, TT, v. 10, no. 2) (over)

63-10584
63-17039
L. Jurecek, M.

Office of Technical Services

Mlinko, S.
RAPID PROCEDURE FOR THE VOLUMETRIC
DETERMINATION OF ORGANIC CARBON AS HYDRO-
GEN CYANIDE, L [12p] 3 refs
Order from SLA \$1.60

TT-64-16194

Trans. of Mikrokhim[ica] Acta (Austria) 1963, no. 3,
p. 456-466.

(Chemistry--Analytical, TT, v. 12, no. 4)

TT-64-16194

I. Mlinko, S.

Office of Technical Services

Activation and Deactivation of Precipitated
Manganese Dioxide and Lead Dioxide (for Adsorption
of Nitrogen Oxides in C-H Determinations), by
G. Kainz
EUROPEAN, per, Mikrochimica (et Ichoanalytica)
Acta, No 4, 1963, pp 628-635
WFO 71-16387-07D

mar 72

Milak, S.
RAPID PROCEDURE FOR THE VOLUMETRIC
DETERMINATION OF ORGANIC CARBON AS HYDRO-
GEN CYANIDE. II. THE THEORETICAL PRINCIPLES
OF THE CARBON CONVERSION. [11p] 12refs
Order from SLA \$1.60 TT-64-16195

Trans. of Mikrochim[ica] Acta (Austria) 1963, no. 4,
p. 759-768.

(Chemistry--Analytical, TT, v. 12, no. 4)

TT-64-16195

I. Milak, S.
II. Title: Theoretical ...

Office of Technical Services

Principles of Colorimetric Determination of
Trace Aluminium With Eriochrome Cyanin R,
by A. J. Hogedus.

GERMAN, per, Mikrochimica Acta, No 5-6,
1963, pp 831-850.

DISI 4389

EE-Germany

Sci/EGH

Jan 66

293,196

J-2477

Thin-Layer Chromatography of Inorganic Ions (Parts
I & II), by P. Markl & F Hecht

GERMAN, per, Mikrochim. Acta, Nos 5-6, 1963, pp
889-894 & 970 975.

*JPRS/DC-11416/Special

W. Eur - Austria

Sci - Phys

May 65

J-2477

Beunewitz, Rudolph.
REPRODUCTION OF THE SEMI-MICRO DETERMINA-
TIONS OF CHLORINE, BROMINE, SULFUR, AND
PHOSPHORUS, USING THE FLASK TECHNIQUE OF
W. SCHONIGER. [7 Feb 64] 21p 17refs
Order from SLA \$2.60

TT-64-14775

Trans. of Mikrokhemica Acta (Austria) 1963, no. 5/6,
p. 109-1108.

(Chemistry--Analytical, TT, v. 11, no. 12)

TT-64-14775

L. Beunewitz, R.

Office of Technical Services

Thermogravimetric and Infrared Absorption Spectro-
graphic Study of Some Double Sulfates of the
Magnesium Series, by C. Rocchiccioli, 6 pp.
FRENCH, per, Mikrochim Acta, No 5, 1964, pp 764-769.
AEC/ORNL-Tr-1548

Sci/Chem
Dec 69

398,123

A. Microwave in Warfare; B. Microwave in Science,
by Peter Lorant, 7 pp.

HUNGARIAN, bk, A Mikrohullam, 1959, pp 72-73,
92-96.

ACSI, E-4466

Sci - Electron

Sep 59

96,993

Bacteria Symbiosis of the Roach, [#]by Anton Koch, 10 pp.
UNCLASSIFIED

GERMAN, per, Mikrokosmos, Vol XXVIII, 1949, pp
121-126.

QMT 424

Scientific - Biology
CTS/DEX

6700

Delayed Formation of Crystals, by E. Gerhard, 3 p.

GERARD, par, Mikrokosmos, 1956, Vol XLV,
pp 103-105.

ATD-307,500

Ref

Jan 60

Vol 2, No 5

104,615

The Micro-Hardness of Minerals, by H. Mitsche,
E. M. Onitsch.

GERMAN, per, Mikroskopie, Vol III, Nos 9/12,
1948, pp 257-309.

T.I.L. T-4713

Sci - Min/metals

43,245

The Structure of Mechanically and Electrolytically
Polished Surfaces, by Heinz Raether, 23 pp.
GERMAN, per, Mikroskopische, Vol V, 1950,
pp 101-116. 9224874
AEC-SC-T-64-1600

Sci-Chem
Nov 64

268,713

Investigation of the Interchange of Reaction Sites in Metallic Systems, by E. Fitzer.

GERMAN, per, Mikroskopie, 6, 1951, pp. 174-186.

*NBS TT 70-57291

Sci/mater
Jul 70

Microscopic Study of the Skeletons of
Coccolithineae (~~At~~Calcium Flagellata). Summary
of Methods and Results. I. The Shape of the
Coccosphere and Its Structural Elements. II.
Microstructure of the Coccoliths, by E. Kamptner.

GERMAN, per, Mikroskopie, Vol VII, 1952,
pp 375-386.

NZDIA

Sci-Biol

341,981

Aug 63

Electron Microscopic Studies on Tuberculous
Necrosis in Man, by M. Ratzenhofer, A. Propst,
20 pp.

GERMAN, per, Mikroskopie, Vol VIII, No 7/8,
1953, pp 226-234.

NIH

Scientific - Medicine
CTB 70/Jul 55

25,548

**Infrared Spectra of Microscopic Sections
of Wood and of Several Model Substances,
by H. Tschamler, K. Kratzl.
GERMAN, per, Mikroskopie, Vol 8, No 7/8,
1953, pp 238-246.
NTC 69-12674-11L**

**Sci-Mat
Aug 69**

389,477

The Methods of Fluorescence and Ultraviolet
Microscopy and Spectroscopy as They Relate
to Cell Research, by G. H. M. Gottschewski,
35 pp.

GERMAN, per, Mikroskopie: Ex Zbl fuer Mikro
Forsch u Meth, Vol IX, No 5/6, 1954, pp 147-
167.

NIE

Scientific - Biology
May 55 OTS

23,459

Determination of the Surface of Arbitrarily shaped
Bodies with Particular Application to Micro-
scopic Accumulations, by August Hennig,
GERMAN, per, Mikroskopie, No. 11, 1956. pp 1-20.
*AEC

EE
Sci/Phy
Mar 68

342,486

New Resin/Wax Embedding for Cutting Textile Fibres,
Plastics and Cellulose Films and Thin Metal Foils
With a Microtome, by F. Walter.

GERMAN, per, Mikroskopie, Vol LXIV, No 1, 1958,
pp 53, 54.

GB/53/730

Sci-matBngr
May 63

229,920

Description of a Cell Chamber and Perfusion Equipment
for the Study of Tissue Cultures With Interference
Microscope and UV-Microspectrograph, by H. G.
Schleser, 16 pp.

GERMAN, per, Mikroskopie, Vol XIV, 1959, pp 91-99.

Navy Tr 3029/1963 645

Sci - Med

Feb 62

186, 715

Bachmann, L. and Sitte, P.
THE DETERMINATION OF THE THICKNESS
ULTRATHIN SECTION BY THE TOLANSKY
METHOD. [1961] [30]p. 41 refs.
Order from SLA \$2.60

61-20098

Trans. of Mikroskopie (Austria) 1959, v. 13,
p. 289-304.

DESCRIPTORS: *Electron microscopes, Thickness,
Determination, Interference, Colors, *Electron
beams, Focusing, Light transmission, Photographic
materials, *Thin films, Production, Reflection.

Ultrathin sections floated on a water surface show in
reflected light interference colors which depend on
their thickness. The series of interference colors ap-
pearing in sections of increasing thickness has been
determined. The corresponding thickness has been
(Physics--Optics, TT, v. 7, no. 4) (over)

61-20098

1. Title: Tolansky method
2. Title: Retarding substances
- I. Bachmann, L.
- II. Sitte, P.

Office of Technical Services

THE THREE-DIMENSIONAL (SUPRER) CONDENSER -
CRITICAL REMARKS -, BY VLADISLAV VRBA, 5 PP.

GERMAN, PER, MIKROSKOPIE, VOL XVI, 1961, PP 288-29L.

NIH 6-46-62

SCI - PHYS

208,784

AUG 62

REPLY TO THE CRITICAL REMARKS OF V. VRBA CONCERNING THE
THREE-DIMENSIONAL (SUPER) CONDENSER, BY L.
ZSELYONKA, F. KISS, 3 PP.

GERMAN, PER, MIKROSKOPIE, VOL XVI, 1961, PP 291-293.

NIH 6-50-62

SCI - PHYS

208,788

AUG 62

Histopathological Effects of Insecticides (DDT and
Sevin) in Invertebrates and Their Cancerogenic
Evaluation, by Hannes An der Lan.
GERMAN, per, Mikroskopie, Vol 17, No 3/4, June 1962,
pp 85-112.
*NTIS TT 72-53075

July 72

Histopathological effects of the Insecticide "Sevin"
(1 Naphthyl-N-Methyl-N-Methylcarbonate) on Earthworms.
GERMAN, per Mikroskopie, Vol. 19, No. 3/4, 1964.
pp 68-72
NRG/C 5518

Sci -
Aug 67

339-696

Investigations on the Ultrastructure of a Variant of
the Furth Mice Mastocytoma, by M. Sellyei, H. David,
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